

100	SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G., INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)	144	....Including graph or tree representation (e.g., abstract syntax tree or AST)
101	..Software project management	145	...Including recompilation
102	..Enterprise based	146	...Including intermediate code
103	...Distributed	147	....Platform-independent form (e.g., abstract code)
104	..Modeling	148	....Just-in-time compiling or dynamic compiling (e.g., compiling Java bytecode on a virtual machine)
105	..Visual	149	...For a parallel or multiprocessor system
106	..Code generation	150	....Loop compiling
107	..Component based	151	...Optimization
108	..Object oriented	152	....Static (source or intermediate level)
109	..Visual	153	....Dynamic (i.e., machine or object level)
110	..Editing	154	....Including analysis of program
111	..Dynamic	155	.....Data flow analysis
112	...Syntax based	156	.....Using flow graph
113	..Visual	157	.....Using procedure or function call graph
114	..Programming language	158	.....Including instrumentation and profiling
115	..Script	159	....Code restructuring
116	..Object oriented	160	.....Including loop
117	..Declarative (e.g., rule based)	161	.....Including scheduling instructions
118	..Bytecode (e.g., Java)	162	..Linking
119	..Parallel	163	..Including library
120	..Managing software components	164	...Shared
121	..Software configuration	165	..Object oriented
122	..Source code version	166	...Using class loader
123	..Design documentation	167	..Remote
124	..Testing or debugging	168	SOFTWARE UPGRADING OR UPDATING
125	..Having interactive or visual	169	..Including multiple files
126	..Program verification	170	..Plural version management
127	..Monitoring program execution	171	..Network
128	...Tracing	172	..Including distribution of software (e.g., push-down, pull-down)
129	...Using breakpoint	173	...Including downloading
130	..Including instrumentation and profiling	174	SOFTWARE INSTALLATION
131	..Including analysis of program execution	175	..Including multiple files
132	...Using program flow graph	176	..Network
133	....Using procedure or function call graph	177	..Including distribution of software
134	..Including emulation	178	...Including downloading
135	..Including simulation		
136	..Translation of code		
137	..Source-to-source programming language translation		
138	..Emulation		
139	..Interpreter		
140	..Compiling code		
141	...Analysis of code form		
142Scanning and lexical analysis		
143Parsing, syntax analysis, and semantic analysis		

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CLASS 717 DATA PROCESSING: SOFTWARE DEVELOPMENT, INSTALLATION, AND
MANAGEMENT

FOREIGN ART COLLECTIONS

FOR 000 **CLASS-RELATED FOREIGN DOCUMENTS**